



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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No. 43] NEW DELHI, SATURDAY, OCTOBER 25, 1969 (KARTIKA 3, 1891)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### नोटिस

### (NOTICE)

नीचे लिखे भारत के असाधारण राजपत्र 17 सितम्बर 1969 तक प्रकाशित किये गये हैं :

The undermentioned Gazettes of India Extraordinary were published up to the 17th September 1969 :

अंक (Issue No.)	संख्या और तिथि (No. and Date)	द्वारा जारी किया गया (Issued by)	विषय (Subject)
148	No. 1/3/68-Ad. Co., dated 15th Sept., 1969.	Ministry of Foreign Trade and Supply.	Addition of names to schedule I in Resolution No. 1/3/68-Ad.c, dated the 9th July 1969.
सं० 1/3/68-एड० सी० दिनांक 15 सितम्बर 1969		विदेशी व्यापार तथा आपूर्ति मंत्रालय	संकल्प सं० 1/3/68 एड० सी० दिनांक 9 जुलाई 1969 की अनुसूची-I में नाम जोड़ना
149	No. 152-ITC(PN)69, dated 16th September 1969.	Ministry of Foreign Trade and Supply.	Deposit of Rupee equivalents by importers under Direct Payment procedure as applicable to foreign credits—Re- vision of composite Rate between French Franc and the Indian Rupee.
150	No. 153-ITC(PN)/69, dated 16th Sept., 1969.	Do.	Import policy for Registered Exporters for the year April 1969—March 1970 (Amendment No. 37).
151	No. 154-ITC(PN)/69, dated 17th Sept. 1969.	Do.	Import policy for raw materials and components required for the manufacture of tape recorders and hearing aids for the period April 1969—March 1970.

ऊपर लिखे असाधारण राजपत्रों की प्रतियां प्रकाशन प्रबन्धक, सिविल लाइन्स, दिल्ली के नाम मांग-पत्र भेजने पर भेज दी जाएंगी।  
मांग-पत्र प्रबन्धक के पास इन राजपत्रों के जारी होने की तिथि से दस दिन के भीतर पहुँच जाने चाहिए।

Copies of the Gazettes Extraordinary mentioned above will be supplied on Indent to the Manager of Publications, Civil Lines, Delhi. Indents should be submitted so as to reach the Manager within ten days of the date of issue of these Gazettes.

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(रक्षा मंत्रालय को छोड़कर) भारत सरकार के मंत्रालयों और उच्चतम न्यायालय द्वारा जारी की गई विधितर नियमों, विनियमों तथा आदेशों और संकल्पों से सम्बन्धित अधिसूचनाएं

**Notifications relating to Non-Statutory Rules, Regulations, Orders and Resolutions issued by the Ministries of the Government of India (other than the Ministry of Defence) and by the Supreme Court**

### राष्ट्रपति सचिवालय

नई दिल्ली, दिनांक 14 अक्टूबर 1969

सं० 62-प्रेष/69—राष्ट्रपति तामिल नाडू पुलिस के निम्नांकित अधिकारियों को उनकी वीरता के लिए पुलिस पदक प्रदान करते हैं :—

#### अधिकारियों का नाम तथा पद ।

श्री पुष्पस्वामी, गुनालन,  
कांस्टेबल सं० 1031, II बटालियन,  
विशेष सशस्त्र पुलिस,  
तामिल नाडू ।

श्री मणिकम् राजावेल,  
कांस्टेबल नं० 1478, II बटालियन,  
विशेष सशस्त्र पुलिस,  
तामिल नाडू ।

#### सेवाओं का विवरण जिनके लिए पदक प्रदान किया गया ।

18 जुलाई, 1968 को श्री गुनालन दिमापुर-इम्फाल रोड पर कांगपोक्मी से अकामा जाने वाले काफिले की पिछली अनुरक्षक गाड़ी को चला रहे थे । श्री राजावेल इस गाड़ी में राशन ड्यूटी पर नियुक्त थे । दूसरी गाड़ियों की खराबी दूर करने के कारण इस गाड़ी को कारोंग जाने में देरी हो गई और शेष काफिले से यह पीछे छूट गई । कारोंग और कांगपोक्मी के बीच विद्रोहियों के एक गिरोह ने अनुरक्षक गाड़ी पर गोली चला दी । एक गोली गाड़ी के बायें दरवाजे को भेद कर श्री गुनालन की दाईं जांच में जा लगी । गाड़ी में सफर कर रहे दो पुलिस कांस्टेबलों को हल्की मशीनगन की गोलियां लगीं और उनकी मृत्यु हो गई । विद्रोहियों की भारी गोलाबारी से अविचलित तथा जांच की चोट के बावजूद श्री गुनालन ने बायें पांव से एक्सलरेटर दबा कर गाड़ी चालाना जारी रखा और गाड़ी को लगभग 200 गज आगे तक ले गये । श्री राजावेल गाड़ी से उतरे और विद्रोहियों की गोलाबारी तथा अपनी व्यक्तिगत सुरक्षा की परवाह किये बिना उन्होंने हल्की मशीनगन की गोलियों से मरे दो कांस्टेबलों में से एक की लाश को उठाया और उसे गाड़ी तक ले गये फिर वे श्री गुनालन के स्थान पर गाड़ी चलाने लगे और उसे एक सुरक्षित स्थान पर ले गये ।

अपने संयुक्त प्रयासों एवं उत्कृष्ट वीरता द्वारा श्री गुनालन और श्री राजावेल ने समूचे पुलिस दल को जिसमें 16 व्यक्ति थे मारे जाने से तथा शस्त्र एवं गोलाबारूद को गबाये जाने से बचाया ।

2. ये पदक राष्ट्रपति के पुलिस पदक नियमावली के नियम 4(i) के अन्तर्गत वीरता के लिए दिए जा रहे हैं तथा फलस्वरूप नियम 5 के अन्तर्गत विशेष स्वीकृत भत्ता भी दिनांक 18 जुलाई 1968 से दिया जायेगा ।

व० जे० मोर,  
राष्ट्रपति के उप-सचिव

### औद्योगिक विकास, आन्तरिक व्यापार तथा समवाय-कार्य मंत्रालय (औद्योगिक विकास विभाग)

नई दिल्ली, दिनांक 26 दिसम्बर 1969

#### संकल्प

**सरकारी क्षेत्र के उद्योगों के लिए राष्ट्रपति पुरस्कार समिति ।**

सं० प्रो० को० 28(1)/68—भूतपूर्व औद्योगिक विकास तथा समवाय-कार्य मंत्रालय के संकल्प सं० प्रा० को० 28(1)/68 दिनांक 9 अगस्त, 1968 में आंशिक रूप-भेद करते हुए राष्ट्रपति, सरकारी क्षेत्र के उद्योगों के लिये राष्ट्रपति पुरस्कार समिति में इसके अतिरिक्त निम्नलिखित व्यक्तियों को नियुक्त करते हैं जो इस प्रकार हैं :—

1. श्री एन० जे० कामत सदस्य  
संयुक्त सचिव, औद्योगिक विकास  
आन्तरिक व्यापार तथा समवाय-कार्य मंत्रालय,  
(औद्योगिक विकास विभाग), उद्योग भवन,  
नई दिल्ली ।
2. श्री सी० बालसुब्रह्मण्यम, निदेशक सदस्य-सचिव  
औद्योगिक विकास, आन्तरिक व्यापार तथा  
समवाय-कार्य मंत्रालय  
(औद्योगिक विकास विभाग),  
उद्योग भवन, नई दिल्ली ।

#### आदेश

आदेश दिया गया कि संकल्प की एक-एक प्रति समिति के सभी सदस्यों को भेजी जाए ।

यह भी आदेश दिया गया कि संकल्प को सर्वसाधारण की जानकारी के लिए भारत के राजपत्र में प्रकाशित किया जाए ।

एन० जे० कामत, संयुक्त सचिव

**स्वास्थ्य, परिवार नियोजन, निर्माण, आवास एवं****नगर विकास मंत्रालय****(स्वास्थ्य विभाग)**

नई दिल्ली, दिनांक 7 अक्टूबर 1969

सं० प० सं० 13-7/68-ए० पी० सी० (प्लाई)—परिवार नियोजन स्वदेशी चिकित्सा पद्धति सलाहकार समिति के गठन विषयक भारत सरकार, स्वास्थ्य, परिवार नियोजन एवं नगर विकास मंत्रालय के 1 जनवरी 1969 के संकल्प संख्या एफ० 13-7-68-ए० पी० सी० के अनुसरण में यह निर्णय किया गया है कि वैद्य ओम प्रकाश, 23, बरियागंज, दिल्ली-6 भी इस समिति के सदस्य होंगे।

यू० एस० राना, उप-सचिव

**खाद्य, कृषि, सामुदायिक विकास तथा सहकारिता मंत्रालय****(कृषि विभाग)**

नई दिल्ली-1, दिनांक 15 सितम्बर 1969

**प्रस्ताव**

सं० 27-4/69-एफ० आर०—भारत सरकार ने देश के विभिन्न भागों में बीजों की सुधरी हुई किस्मों के उत्पादन के मुख्य उद्देश्य को पूरा करने के लिए अनेक केन्द्रीय राजकीय फार्म खोले हैं। ये फार्म अब तक विभागीय संगठनों के रूप में कार्य करते रहे हैं, किन्तु यह प्रबन्ध पूर्णतया संतोषजनक सिद्ध नहीं हुआ है। ये फार्म अनिवार्य रूप से व्यापारिक संगठन हैं और इनके चलने में सरकारी विभागों की कार्य पद्धति चलाने वाले नियम बाधक नहीं बनने चाहिए। अतः यह निर्णय किया गया है कि कम्पनी कानून के अन्तर्गत एक कम्पनी इन फार्मों को और भविष्य में स्थापित किए जाने वाले केन्द्रीय राजकीय फार्मों को लेने और चलाने के लिए स्थापित की जानी चाहिए। अतः इस कार्य के लिए भारत सरकार द्वारा भारतीय राजकीय फार्म निगम लिमिटेड स्थापित कर दिया गया है और भारत सरकार ने अब यह निर्णय कर लिया है कि 1-8-1969 से निम्नलिखित केन्द्रीय राजकीय फार्मों का समस्त प्रशासन नियंत्रण भारतीय राजकीय फार्म निगम लिमिटेड को सौंप दिया जाए :—

1. केन्द्रीय राजकीय फार्म, सूरतगढ़ (राजस्थान)
2. " " जेतसर (राजस्थान)
3. " " हीराकुड पो० आ० झरसुगुदा (उड़ीसा)
4. " " जलन्धर शहर (पंजाब)
5. " " हिसार (हरियाणा)
6. " " रामचूर (मैसूर)

सरकार ने केन्द्रीय राजकीय फार्मों की चल तथा अचल सम्पत्ति, परिसम्पत्ति जिसमें दावे, कार्यवाही योग्य दावे एवं ऋण व दायित्व शामिल हैं, औपचारिक प्रलेख या हस्तान्तरण प्रलेखों द्वारा, जो क्रियान्वित किए जाने हैं भारतीय राजकीय फार्म निगम लिमिटेड को सौंप देने का निर्णय किया है। प्रलेखों की प्रकृति और रूप बाद में निश्चित किया जाएगा।

**आदेश**

आदेश दिया जाता है कि इस संकल्प की प्रति समस्त राज्य सरकारों, संघ क्षेत्रों और भारत सरकार के मंत्रालयों तथा विभागों, योजना आयोग, मन्त्रिमण्डल सचिवालय, प्रधान मन्त्री सचिवालय, लोक सभा सचिवालय तथा राज्य सभा सचिवालय को भेजी जाये।

यह भी आदेश दिया जाता है कि यह संकल्प सामान्य जानकारी के लिए भारत के राजपत्र में प्रकाशित किया जाये।

भ० रा० पटेल, सचिव

नई दिल्ली, दिनांक 30 सितम्बर 1969

**संकल्प**

सं० 21-2/69-पशुधन विकास 1—भारत सरकार ने निर्णय किया है कि खाद्य, कृषि, सामुदायिक विकास और सहकारिता मंत्रालय (कृषि विभाग) संकल्प संख्या 15-27/66-पशुधन विकास 1 दिनांक 21 दिसम्बर, 1966 द्वारा गठित केन्द्रीय कुक्कुट विकास सलाहकार परिषद् में अबिल भारतीय कुक्कुट उद्योग संघ का एक प्रतिनिधि सम्मिलित किया जाए।

सुधेन्द्र ज्योति मजुमदार, अपर सचिव

**(सामुदायिक विकास विभाग)**

नई दिल्ली, दिनांक 29 सितम्बर 1969

**संकल्प**

सं० 16-24/66-प्रशि०—खाद्य, कृषि, सामुदायिक विकास तथा सहकारिता मंत्रालय (सामुदायिक विकास विभाग) ने 31 मार्च, 1969 के संकल्प संख्या 16-24/66-प्रशि० द्वारा राष्ट्रीय सामुदायिक विकास संस्थान के कार्यकरण का मूल्यांकन करने के लिए जो दल गठित किया था उसका कार्यकाल 28 जून, 1969 के संकल्प संख्या 16-24/66-प्रशि० द्वारा 30 सितम्बर, 1969 तक बढ़ाया गया था। यद्यपि दल ने अपना कार्य लगभग पूरा कर लिया है, तो भी रिपोर्ट को अंतिम रूप देने तथा प्रस्तुत करने के लिए कुछ और समय की आवश्यकता है। यह दल के सदस्यों की अपरिहार्य पूर्व-बचनबद्धताओं के कारण आवश्यक हो गया है। अतः यह निवेदन किया गया है कि रिपोर्ट प्रस्तुत करने की कांसावधि 15 अक्टूबर, 1969 तक बढ़ा दी जाए।

खाद्य, कृषि, सामुदायिक विकास तथा सहकारिता मंत्रालय (सामुदायिक विकास विभाग) ने तदनुसार यह निर्णय किया है कि मूल्यांकन दल का कार्यकाल 15 अक्टूबर, 1969 तक बढ़ाया जाए।

**आदेश**

आदेश है कि इस संकल्प की एक प्रति टोली के सभी सदस्यों, डीन, राष्ट्रीय सामुदायिक विकास संस्थान, हैदराबाद और श्री यू० सी० गिलदयाल, निदेशक (प्रशिक्षण), राष्ट्रीय सामुदायिक विकास संस्थान, हैदराबाद को भेजी जाए।

यह भी आदेश है कि यह संकल्प आम सूचना के लिए भारत के राजपत्र में प्रकाशित किया जाए।

एन० ए० आगा, संयुक्त सचिव

## शिक्षा एवं युवक सेवा मंत्रालय

नई दिल्ली, दिनांक 1 सितम्बर 1969

## संकल्प

सं० एफ० 4-5/69-एस-III—समय-समय पर भारत के नरतत्वीय सर्वेक्षण के अनुसंधान, सर्वेक्षण तथा अन्य कार्यकलापों के कार्यक्रमों के पुनरीक्षण के उद्देश्य से तथा उनके बारे में सरकार को सिफारिशें करने के लिए, राष्ट्रपति भारत के नरतत्वीय सर्वेक्षण की एक सलाहकार समिति का निम्न प्रकार सहर्ष गठन करते हैं और उसके विचारार्थ विषय निम्नांकित होंगे :—

## (क) गठन

- |   |           |
|---|-----------|
| 1. प्रो० निर्मल कुमार बोस,  | अध्यक्ष   |
| अनुसूचित जातियों तथा अनुसूचित आदिम जातियों के आयुक्त, भारत सरकार नई दिल्ली ।              |           |
| 2. निदेशक,  | उपाध्यक्ष |
| भारत का नरतत्वीय सर्वेक्षण, कलकत्ता ।   |           |
| 3. डा० एम० एन० श्रीनिवास,   | सदस्य     |
| समाज शास्त्र के प्रोफेसर, दिल्ली स्कूल आफ इकोनोमिक्स, दिल्ली विश्वविद्यालय, दिल्ली ।      |           |
| 4. प्रो० एस० सी० दूबे,  | सदस्य     |
| समाज विज्ञान के प्रोफेसर, सागर विश्वविद्यालय, सागर ।                                      |           |
| 5. प्रो० एल० पी० विद्यार्थी,  | सदस्य     |
| मानव विज्ञान के प्रोफेसर, रांची विश्वविद्यालय, रांची ।                                    |           |
| 6. डा० (कुमारी) एल० डब्ल्यू० चाको,  | सदस्य     |
| शरीर रचना विज्ञान की प्रोफेसर, आल इंडिया इंस्टीट्यूट आफ मेडिकल साइंसेज, नई दिल्ली ।       |           |
| 7. डा० एम० एस० गोरे,  | सदस्य     |
| निदेशक, टाटा समाज विज्ञान संस्थान, बम्बई ।  |           |
| 8. डा० सी० आर० राव,   | सदस्य     |
| निदेशक, केन्द्रीय सांख्यिकीय संस्थान, कलकत्ता ।   |           |
| 9. डा० एस० एम० कले,   |           |
| निदेशक, दक्कन कालेज, पूना ।   |           |
| 10. रजिस्ट्रार जनरल आफ इंडिया तथा पदेन जनगणना आयुक्त, नई दिल्ली, अथवा उसके द्वारा नामजद । | सदस्य     |
| 11. गृह मंत्रालय भारत सरकार का एक प्रतिनिधि ।   | सदस्य     |

- |  |            |
|--|------------|
| 12. श्री जे० पी० नायक,                   | सदस्य      |
| सलाहकार, शिक्षा तथा युवक सेवा मंत्रालय । |            |
| 13. उप-निदेशक,                           | सदस्य सचिव |
| भारत का नरतत्वीय सर्वेक्षण, कलकत्ता ।    |            |

## (ख) विचारार्थ विषय

- (i) समय-समय पर भारत के नरतत्वीय सर्वेक्षण के अनुसंधान, सर्वेक्षण तथा अन्य कार्यकलापों के कार्यक्रमों का पुनरीक्षण करना तथा उनके बारे में सरकार को सिफारिशें करना ।
  - (ii) भारत के नरतत्वीय सर्वेक्षण और विश्वविद्यालयों में समाज विज्ञान विभागों के बीच विशेष रूप से सहकारी अनुसंधान प्रायोजनाओं, कर्मचारियों के आदान-प्रदान, विशेष अध्ययन, सेमिनार, और गोष्ठियों तथा प्रकाशनों के संदर्भ में सहयोग के लिए विशिष्ट उपायों की सिफारिश करना ।
  - (iii) सभी अन्य उन मामलों के बारे में सलाह देना जोकि सरकार द्वारा इसके लिए विशिष्ट रूप से निर्दिष्ट किए जाएं ।
2. सलाहकार समिति के सदस्यों की कार्यविधि तीन वर्ष होगी । समिति की बैठक जरूरत पड़ने पर होगी परन्तु समिति की वर्ष में कम से कम एक बार बैठक अवश्य होगी ।

## आदेश

आदेश दिया जाता है कि संकल्प की एक-एक प्रति भारत के नरतत्वीय सर्वेक्षण की सलाहकार समिति के सभी सदस्यों को भेज दी जाये ।

यह भी आदेश दिया जाता है कि यह संकल्प भारत के राजपत्र में जन-साधारण की सूचना के लिए प्रकाशित कर दिया जाए ।

बी० एन० भारद्वाज, उप-सचिव

नई दिल्ली, दिनांक 10 अक्टूबर 1969

सं० 22/1/69-सी० ए० 1(2)—शिक्षा मंत्रालय की अधिसूचना संख्या 14/3/65-सी० 5, दिनांक 11 अप्रैल, 1966 में आंशिक संशोधन करते हुए, जम्मू तथा कश्मीर सरकार के अभिलेख विभाग के उपनिदेशक श्री एफ० एम० हुसैन को श्रीनगर के पुस्तकालय तथा अभिलेख, निदेशक श्री पी० एन० पुष्प के स्थान पर भारतीय ऐतिहासिक अभिलेख आयोग के एक साधारण सदस्य के रूप में नियुक्त किया जाता है ।

2. उनकी कार्यविधि, फिलहाल 3 अप्रैल, 1971 तक होगी ।

ए० एस० तलवार, जवर सचिव

**श्रम, रोजगार तथा पुनर्वासि मंत्रालय  
(पुनर्वासि विभाग)**

**संकल्प**

नई दिल्ली-11, दिनांक 22 सितम्बर 1969

सं० 11(8)/66-आर० एच० II/आर० एच० III—  
भारत सरकार के श्रम, रोजगार तथा पुनर्वासि मंत्रालय, पुनर्वासि विभाग के संयुक्त सचिव श्री गोपेश्वर नाथ को तत्काल संयुक्त सचिव श्री गंगोपाध्याय के स्थान पर भारत सरकार के पुनर्वासि मंत्रालय के संकल्प संख्या 29 (13)/64-आर०आर०/रिहैव० II, दिनांक 25 नवम्बर 1965, तथा भारत सरकार के श्रम, रोजगार तथा पुनर्वासि मंत्रालय, पुनर्वासि विभाग के संकल्प संख्या 11(8)/66-आर० एच० II दिनांक 16 जनवरी, 1968 के अनुसार गठित निदेशन समिति का सदस्य नामित किया गया है।

बी० नजंप्पा, सचिव

**आदेश**

आदेश दिया जाता है कि इस संकल्प की प्रतियां निम्नलिखित को भेजी जाएं :—

1. समिति के सभी सदस्य।
2. भारत सरकार के सभी मंत्रालय/विभाग।
3. योजना आयोग, प्रधान मंत्री सचिवालय, मंत्रि मण्डल-सचिवालय और राष्ट्रपति के निजी व सैनिक सचिव।

यह भी आदेश दिया जाता है कि इस संकल्प को सर्वसाधारण की जानकारी के लिए भारत सरकार के राजपत्र में प्रकाशित किया जाए।

इन्द्र सहाय, कृते सचिव

**PRESIDENT'S SECRETARIAT  
CORRIGENDUM**

*New Delhi, the 14th October, 1969*

No. 61- Pres./69.—In this Secretariat Notification No. 54-Pres./69, dated the 18th September, 1969, published in Part I, Section 1 of the Gazette of India dated the 27th September, 1969 :

*In lines 1 and 2 against the word Eleventhly*

For "of or below the rank of Second Lieutenant in the case of Army,"

Read "being or ranking junior in rank to that of Second Lieutenant in the case of Army."

No. 62-Pres./69.—The President is pleased to award the Police Medal for gallantry to the undermentioned Officers of the Tamil Nadu Police :—

*Names of the officers and ranks.*

Shri Ponnusamy Gunalan,  
Police Constable No. 1031,  
Special Armed Police, II. Battalion,  
Tamil Nadu.

Shri Manickam Rajavel,  
Police Constable No. 1478,  
Special Armed Police, II. Battalion,  
Tamil Nadu.

*Statement of services for which the decoration has been awarded.*

On the 18th July, 1968, Shri Gunalan was driving the rear escort vehicle of a convoy from Kangpokpi to Jakama on the Dimapur-Imphal road. Shri Rajavel was on ration duty in this vehicle. The vehicle was delayed on the way to Karong because of attending to breakdowns on other vehicles and was left behind by the remainder of the convoy. Between Karong and Kangpokpi, a gang of hostiles opened fire on the escort vehicle. A shot pierced through the right door of the vehicle and hit Shri Gunalan in the right thigh. Two of the Police constables travelling in the vehicle were hit by L.M.G. bursts and killed. Undaunted by the heavy hostile fire and despite the injury to his thigh, Shri Gunalan continued driving the vehicle by pressing the accelerator with his left foot and covered a distance of about 200 yards. Shri Rajavel then got down from the vehicle and without caring for the hostile fire and his personal safety picked up the body of one of the Constables who had been hit by the L.M.G. fire and had fallen out, and carried it back to the vehicle. He then took over the vehicle from Shri Gunalan and drove it to a safe place.

By their joint efforts and conspicuous gallantry Shri Gunalan and Shri Rajavel prevented the entire Police party consisting of 16 persons from being killed and arms and ammunition from being lost.

2. These awards are made for gallantry under rule 4(1) of the rules governing the award of the Police Medal and consequently carry with them the special allowance admissible under rule 5, with effect from the 18th July, 1968.

V. J. MOORE, Dy. Secy.  
to the President.

**MINISTRY OF PETROLEUM & CHEMICALS AND  
MINES AND METALS**

**(Department of Petroleum)**

**RESOLUTION**

*New Delhi, the 8th October 1969*

No. 101(22)/68-PPD.—In partial modification of Government of India Resolution of even number dated the 2nd August, 1969, Para 8 of the Ministry of Petroleum and Chemicals (Department of Petroleum) Resolution No. 101(22)/68-PPD dated the 14th June, 1968, shall be amended to read as follows :

"8. The Committee will meet as often as may be considered necessary by the Chairman and shall submit its main report to Government by the 31st October, 1969. A supplemental report on any item not covered in the main report shall be submitted before 31-1-1970. For this purpose the duration of the Committee is extended till 31st January, 1970."

**ORDER**

ORDERED that this Resolution be communicated to all Ministries of the Government of India; all the State Governments, Prime Minister's Secretariat, Cabinet Secretariat, Private and Military Secretaries to the President, the Planning Commission, the Accountant General, Commerce, Works & Miscellaneous and the Accountant General, Central Revenues.

ORDERED also that the Resolution be published in the Gazette of India for general information.

M. V. RAJWADE, Jt. Secy.

**MINISTRY OF INDUSTRIAL DEVELOPMENT,  
INTERNAL TRADE & COMPANY AFFAIRS**

**(Department of Industrial Development)**

*New Delhi, the 28th August 1969*

No. 10(4)/67-SSI(B).—In pursuance of Rule 32 of the Memorandum and Rules & Regulations of the Inventions Promotion Board, New Delhi, the following addition shall be made in the list of the members of the Governing Council of the Inventions Promotion Board constituted under this

Ministry's Notification No. 10(4)/67-SSI(B) dated the 19th December, 1968 :—

"14. Dr. H. N. Patel,  
Managing Director,  
Hylam Limited,  
Tieclcon, 18, Dr. Moses Road,  
Bombay-11 B.C."

O. R. PADMANABHAN, Under Secy.

(Department of Company Affairs)  
Company Law Board

#### ORDER

New Delhi-1, the 8th October 1969

No. 51(1)/65-CL II.—In pursuance of sub-clause (ii) of clause (b) sub-section (4) of Section 209 of the Companies Act, 1956 (1 of 1956), the Company Law Board hereby authorises Shri O. P. Gupta, Assistant Inspecting Officer, New Delhi an officer of the Government of India, in the Ministry of Industrial Development, Internal Trade and Company Affairs (Department of Company Affairs) for the purposes of the said Section 209.

S. S. SINGH, Under Secy.

### MINISTRY OF HEALTH, FAMILY PLANNING, WORKS, HOUSING & URBAN DEVELOPMENT

(Department of Family Planning)

#### RESOLUTION

New Delhi, the 7th October 1969

No. F.13-7/68-APC(Ply).—In continuation of the Government of India, Ministry of Health, Family Planning and Urban Development Resolution No. F. 13-7/68-APC (Ply), dated the 1st January, 1969 regarding constitution of an Advisory Committee of Indigenous Systems of Medicine for Family Planning, it has been decided that Valdyia Om Prakash, 23, Darya Gani, Delhi-6, shall also be a member of the Committee.

U. S. RANA, Dy. Secy.

### MINISTRY OF FOOD, AGRICULTURE, COMMUNITY DEVELOPMENT AND COOPERATION

(Department of Agriculture)

#### RESOLUTION

New Delhi, the 15th September 1969

No. 27-4/69-FR.—The Government of India have set up a number of Central State Farms for the primary purpose of production of improved varieties of seeds in different parts of the country. These Farms have so far been running as departmental organisations but this arrangement has not been found entirely satisfactory. The Farms are essentially commercial organisations and should run as such unhampered by the procedures which govern the working of Government Departments. It has, therefore, been decided that a Company under the Company Law should be set up to take over and run the existing Farms as well as any Central State Farms to be set up in future. The State Farms Corporation of India Ltd. has accordingly been set up by the Government of India for this purpose and the Government of India have now decided to transfer the full administrative control of the following Central State Farms to the State Farms Corporation of India Ltd. with effect from 1-8-69.

1. Central State Farm, Suratgarh (Rajasthan).
2. Central State Farm, Jetsar (Rajasthan).

3. Central State Farm, Hirakud, P.O. Jharsuguda (Orissa).
4. Central State Farm, Jullundur City (Punjab).
5. Central State Farm, Hissar (Haryana).
6. Central State Farm, Raichur (Mysore).

The Government have decided to transfer to the State Farms Corporation of India (Pvt.) Ltd. the movable and immovable property, assets including claims and actionable claims and debts and liabilities of the Central State Farms by a formal deed or deeds of transfer to be executed later. The nature of the form of the deeds would be determined later.

#### ORDER

ORDERED that a copy of the Resolution be communicated to all the State Governments, Administrations of Union Territories and Ministries and Departments of the Government of India, Planning Commission, Cabinet Sectt., Prime Minister's Sectt., Lok Sabha Sectt. and Rajya Sabha Sectt.

ORDERED also that the Resolution be published in the Gazette of India for general information.

B. R. PATEL, Secy.

#### RESOLUTION

New Delhi, the 30th September 1969

No. 21-2/69-LDI.—Government have decided that the Central Poultry Development Advisory Council, constituted in the Ministry of Food, Agriculture, Community Development & Cooperation (Department of Agriculture) Resolution No. 15-27/66-LDI dated 21-12-66 shall include one representative of the All India Association of Poultry Industry.

S. J. MAJUMDAR, Addl. Secy.

(Department of Food)

#### CORRIGENDUM

New Delhi-1, the 22nd September 1969

No. 156(18)/69-PYI.—In the Resolution issued by the Ministry of Food and Agriculture (Department of Food) under No. 211(1)/69-PYI, dated the 18th June, 1969 and published in the Gazette of India Extraordinary (Part I—Section 1), dated June 18, 1969 in the list of 'Non-Official Members'—

against S. No. 14, for the words 'Shri H. C. Kesur', the words 'Shri S. C. Kesur' may be substituted.

D. N. PRASAD, Dy. Secy.

### MINISTRY OF EDUCATION AND YOUTH SERVICES

New Delhi, the 10th October 1969

No. 22-1/69-CAI(2).—In partial modification of Ministry of Education Notification No. 14/3/65-C.5 dated the 11th April, 1966, Shri F. M. Hussain, Deputy Director, Department of Archives, Government of Jammu & Kashmir, is appointed as an Ordinary Member of the Indian Historical Records Commission in place of Shri P. N. Pushup, Director, Libraries & Archives, Srinagar.

2. The terms of his appointment will for the present be up to 3rd April, 1971.

A. S. TALWAR, Under Secy.

## DEPARTMENT OF COMMUNICATIONS

## Rules

New Delhi, the 25th October 1969

No. 8-CD(28)/69.—The rules for a competitive examination to be held by the Union Public Service Commission in April, 1970, for the purpose of filling vacancies in the following posts are, with the concurrence of the Ministries/Departments concerned, published for general information.

- (1) Engineer (Class I) in the Wireless Planning and Coordination Wing/Monitoring Organisation, Department of Communications.
- (2) Assistant Engineer (Class II) in the Overseas Communications Service, Department of Communications.
- (3) Technical Assistant (Class II—non-Gazetted) in the Overseas Communications Service, Department of Communications.
- (4) Assistant Station Engineer (Class I) in the All India Radio, Ministry of Information and Broadcasting.
- (5) Technical Officer (Class I) in the Civil Aviation Department, Ministry of Tourism and Civil Aviation.
- (6) Communication Officer (Class I) in the Civil Aviation Department, Ministry of Tourism and Civil Aviation.

2. The number of vacancies to be filled on the results of the examination will be specified in the Notice issued by the Commission. Reservations will be made for candidates belonging to the Scheduled Castes and the Scheduled Tribes in respect of vacancies as may be fixed by the Government.

Scheduled Castes/Tribes mean any of the Castes/Tribes mentioned in the Scheduled Castes/Tribes Lists (Modification) Order, 1956, read with Scheduled Castes and Scheduled Tribes Orders (Amendment) Act 1956, the Constitution (Jammu and Kashmir) Scheduled Castes Order, 1956, the Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959, the Constitution (Dadra and Nagar Haveli), Scheduled Castes Order, 1962, the Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order, 1962, the Constitution (Pondicherry) Scheduled Castes Order, 1964 the Constitution (Scheduled Tribes) (Uttar Pradesh) Order, 1967 the Constitution (Goa, Daman and Diu) Scheduled Castes Order, 1968 and the Constitution (Goa, Daman and Diu) Scheduled Tribes Order, 1968.

3. The examination will be conducted by the Union Public Service Commission in the manner prescribed in Appendix I to these Rules.

The dates on which and the places at which the examination will be held shall be fixed by the Commission.

4. A candidate must be either :—

- (a) a citizen of India, or
- (b) a subject of Sikkim, or
- (c) a subject of Nepal, or
- (d) a subject of Bhutan, or
- (e) a Tibetan refugee who came over to India, before 1st January, 1962, with the intention of permanently settling in India, or
- (f) a person of Indian origin who has migrated from Pakistan, Burma, Ceylon and East African countries of Kenya, Uganda and the United Republic of Tanzania (formerly Tanganyika and Zanzibar) with the intention of permanently settling in India;

Provided that a candidate belonging to categories (c), (d), (e) and (f) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

Certificate of eligibility will not, however, be necessary in the case of candidates belonging to any one of the following categories :—

- (i) Persons who migrated to India from Pakistan before the nineteenth day of July, 1948, and have ordinarily been residing in India since then.

- (ii) Persons who migrated to India from Pakistan on or after the nineteenth day of July, 1948, and have got themselves registered as citizens of India under Article 6 of the Constitution.

- (iii) Non-citizens in category (f) above who entered service under the Government of India before the commencement of the Constitution, viz., 26th January, 1950, and who have continued in such service since then without a break. Any such person who re-entered or may re-enter such service with break after the 26th January, 1950, will, however, require certificate of eligibility in the usual way.

A candidate in whose case a certificate of eligibility is necessary may be admitted to the examination and he may also be provisionally appointed subject to the necessary certificate being given to him by the Government.

5. (a) A candidate for this examination must have attained the age of 20 years and must not have attained the age of 25 years on the 1st August, 1970, i.e., he must have been born not earlier than 2nd August, 1945, and not later than 1st August, 1950.

(b) The upper age limit prescribed above will be relaxable by five years in the case of the Government servants of the following categories, if they are applying for vacancies in their respective departments—

- (i) A candidate who holds substantively a permanent post in the particular department. This relaxation will not be admissible to a probationer appointed against a permanent post in the department during the period of his probation.
- (ii) A candidate who has already completed or will complete on or before the 1st August, 1970, at least three years continuous services in the particular department.

Provided that no candidate shall be permitted under the relaxation of the upper age limit mentioned at (b) above, to compete more than three times at the examination.

(c) The upper age-limit prescribed above will be further relaxable :—

- (i) Up to a maximum of five years, if a candidate belongs to a Scheduled Caste or a Scheduled Tribe;
- (ii) Up to a maximum of three years, if a candidate is a *bona fide* displaced person from East Pakistan and has migrated to India on or after 1st January 1964;
- (iii) Up to a maximum of eight years, if a candidate belongs to a Scheduled Caste or a Scheduled Tribe and is also a *bona fide* displaced person from East Pakistan and has migrated to India on or after 1st January 1964;
- (iv) Up to a maximum of three years if a candidate is a resident of the Union Territory of Pondicherry and has received education through the medium of French at some stage;
- (v) Up to a maximum of three years if a candidate is a *bona fide* repatriate of Indian origin from Ceylon and has migrated to India on or after 1st November, 1964, under the Indo-Ceylon Agreement of October, 1964;
- (vi) Up to a maximum of eight years if a candidate belongs to a Scheduled Caste or a Scheduled Tribe and is also a *bona fide* repatriate of Indian origin from Ceylon and has migrated to India on or after 1st November, 1964, under the Indo-Ceylon Agreement of October, 1964;
- (vii) Up to a maximum of three years if a candidate is of India origin and has migrated from Kenya, Uganda or the United Republic of Tanzania (formerly Tanganyika and Zanzibar);
- (viii) Up to a maximum of three years if a candidate is a *bona fide* repatriate of Indian origin from Burma has migrated to India on or after 1st June, 1963;
- (ix) Up to a maximum of eight years if a candidate belongs to a Scheduled Caste or a Scheduled Tribe and is also a *bona fide* repatriate of Indian origin from Burma and has migrated to India on or after 1st June, 1963;



- (x) Up to a maximum of three years in the case of Defence Services personnel disabled in operations during hostilities with any foreign country or in a disturbed area, and released as a consequence thereof. This concession will not, however, be admissible to a candidate who has already appeared at five previous examinations;
- (xi) Up to a maximum of eight years in the case of Defence Services personnel, disabled in operations during hostilities with any foreign country or in a disturbed area, and released as a consequence thereof, who belong to the Scheduled Castes or the Scheduled Tribes. This concession will not, however, be admissible to a candidate who has already appeared at ten previous examinations; and
- (xii) Up to a maximum of three years, if a candidate is a resident of the Union Territory of Goa, Daman and Diu.

**N.B. (i).—**For the purposes of this Rule, a candidate shall be deemed to have competed at the examination once for all the posts ordinarily covered by the examination, if he competes for any one or more of the posts.

A candidate shall be deemed to have competed at the examination, if he actually appears in any one or more subjects.

**N.B. (ii).—**The candidature of a person who is admitted to the examination under the age concession mentioned at (b) above is liable to be cancelled, if, after submitting his application, he resigns from Service, or his services are terminated by his department, either before or after taking the examination. He will, however, continue to be eligible, if he is retrenched from the Service or post after submitting his application.

A candidate who, after submitting his application to his department is transferred to other department/office will be eligible to compete under departmental age concession for the post, for which he would have been eligible but for his transfer, provided his application has been forwarded by his parent department.

**SAVE AS PROVIDED ABOVE THE AGE LIMITS PRESCRIBED CAN IN NO CASE BE RELAXED.**

**6. A Candidate must have—**

- (a) obtained a degree in Engineering from a University incorporated by an Act of the Central or State Legislature in India, or other educational Institutes established by an Act of Parliament, or declared to be deemed as Universities under Section 3 of the University Grants Commission Act, 1956; or
- (b) passed Sections A and B of the Associate Membership Examination of the Institution of Engineers (India); in full (*i.e.*, in all papers and *not* partly by examination and partly by exemption(s); or
- (c) obtained a degree/diploma in Engineering, from such foreign Universities/College/Institutions and under such conditions as may be recognised by the Government for the purpose from time to time; or
- (d) passed the Graduate Membership Examination of the Institution of Tele-communication Engineers (India); in full (*i.e.*, in all papers) and *not* partly by examination and partly by exemption(s); or
- (e) M.Sc. degree or its equivalent, with Wireless Communication, Electronics, Radio Physics, or Radio Engineering as special subject; or
- (f) passed the Graduate Membership Examination of the Institution of Electronics and Radio Engineers, London, held after November, 1959.

The Graduate Membership Examination of the Institution of Electronics and Radio Engineers, London, held prior to November, 1959, is also acceptable, subject to the following conditions :—

- (1) that the candidates who have passed the examination held prior to November, 1959, should have appeared and passed in the following additional subjects :

- (i) Principles and Applications of Electrical Engineering (in accordance with the syllabus prescribed in Section A of Post-1959 Scheme);
  - (ii) Mathematics II (in accordance with the syllabus prescribed in Section B of Post-1959 Scheme);
- (2) that the candidates concerned should produce a certificate from the Institution of Electronics and Radio Engineers, London, in fulfilment of the condition prescribed at (1) above.

**NOTE 1.**—In exceptional cases, the Commission may treat a candidate, who has not any of the qualifications prescribed in this rule, as educationally qualified, provided that he has passed examinations conducted by other institutions, the standard of which in the opinion of the Commission, justifies his admission to the examination.

**NOTE 2.**—A candidate who has appeared at an examination the passing of which would render him eligible to appear at this examination, but has not been informed of the result may apply for admission to the examination. A candidate who intends to appear at such a qualifying examination may also apply, provided that the qualifying examination is completed before the commencement of this examination. Such candidates will be admitted to the examination, if otherwise eligible, but the admission would be deemed to be provisional and subject to cancellation if they do not produce proof of having passed the examination, as soon as possible, and in any case not later than two months after the commencement of this examination.

**NOTE 3.**—A candidate, who is otherwise qualified but who has taken a degree from a foreign University which is not recognised by Government, may also apply to the Commission and may be admitted to the examination at the discretion of the Commission.

7. Candidates must pay the fee prescribed in Annexure I to the Commission's Notice.

8. A candidate already in Government Service, whether in a permanent or a temporary capacity, must obtain prior permission of the Head of the Department to appear for the Examination.

9. The decision of the Commission as to the eligibility or otherwise of a candidate for admission to the examination shall be final.

10. No candidate will be admitted to the examination unless he holds a certificate of admission from the Commission.

11. Any attempt on the part of a candidate to obtain support for his candidature by any means may disqualify him for admission.

12. A candidate who is or has been declared by the Commission guilty of impersonation or of submitting fabricated documents or documents which have been tampered with or of making statements which are incorrect or false or of suppressing material information or otherwise resorting to any other irregular or improper means for obtaining admission to the examination or of using or attempting to use unfair means in the examination hall or of misbehaviour in the examination hall, may, in addition to rendering himself liable to criminal prosecution,—

- (a) be debarred permanently or for a specified period :—

- (i) by the Commission, from admission to any examination or appearance at any interview held by the Commission for selection of candidates; and
- (ii) by the Central Government from employment under them;

- (b) be liable to disciplinary action under the appropriate rules, if he is already in service under Government.

13. Candidates who obtain such minimum qualifying marks in the written examination as may be fixed by the Commission in their discretion shall be summoned by them for an interview of a personality test.

14. After the examination, the candidates will be arranged by the Commission in the order of merit as disclosed by the aggregate marks finally awarded to each candidate and in that order so many candidates as are found by the Commis-

sion to be qualified by the examination shall be recommended for appointment up to the number of unreserved vacancies decided to be filled on the results of the examination.

Provided that any candidate belonging to the Scheduled Castes or the Scheduled Tribes, who though not qualified by the standard prescribed by the Commission for any post, is declared by them to be suitable for appointment thereto with due regard to the maintenance of efficiency of administration, shall be recommended for appointment to vacancies reserved for members of the Scheduled Castes and the Scheduled Tribes, as the case may be, in that post.

15. The form and manner of communication of the result of the examination to individual candidates shall be decided by the Commission in their discretion and the Commission will not enter into correspondence with them regarding the result.

16. Due consideration will be given, at the time of making appointments on the results of the examination, to the preferences expressed by a candidate for various posts, at the time of his application.

17. Success in the examination confers no right to appointment, unless Government are satisfied after such enquiry as may be considered necessary, that the candidate is suitable in all respects for appointment to the public service.

18. A candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the discharge of his duties as an officer of the service. A candidate who after such physical examination as Government or the appointing authority, as the case may be, may prescribe is found not to satisfy those requirements will not be appointed. All candidates who are declared qualified for the Personality Test will be physically examined at the place where they are summoned for interview, either immediately before or after the interview. Candidates will have to pay a fee of Rs. 16.00 to the Medical Board. The fact that a candidate has been physically examined will not mean or imply that he will be considered for appointment.

In order to prevent disappointment candidates are advised to have themselves examined by Government Medical Officer of the standing of a Civil Surgeon before applying for admission to the examination. Particulars of the nature of the medical test to which candidates will be subjected before appointment to Gazetted posts and of the standards required are given in Appendix II. For the disabled ex-Defence Services personnel, the standards will be relaxed consistent with the requirements of each post.

19. (a) No male candidate who has more than one wife living or who having a spouse living, marries in any case in which such marriage is void by reason of its taking place during the life time of such spouse, shall be eligible for appointment to any of the posts, appointments to which are made on the results of this competitive examination, unless the Government of India, after being satisfied that there are special grounds for doing so, exempt any male candidate from the operation of this rule.

(b) No female candidate whose marriage is void by reason of the husband having a wife living at the time of such marriage or who has married a person who has a wife living at the time of such marriage shall be eligible for appointment to any of the posts, appointments to which are made on the results of this competitive examination, unless the Government of India after being satisfied that there are special grounds for doing so, exempt any female candidate from the operation of this rule.

20. Brief particulars relating to the posts to which recruitment is being made through this examination are stated in Appendix III.

S. S. PRUTHI, Under Secy.

#### APPENDIX I

1. The examination shall be conducted according to the following plan :—

Part I—Compulsory and optional papers as shown below. The standard and syllabi prescribed for these papers are given in the Scheduled to this Appendix.

Part II—Personality Test carrying a maximum of 200 marks for such candidates as may be called by the Commission. (Please see para 6 below.)

2. The following will be the subjects for the written examination :

Subject (1)	Duration (2)	Maximum Marks (3)
<b>A. Compulsory</b>		
(1) English Essay .. ..	1½	50
(2) General English .. ..	1½	50
(3) General Knowledge and Current Affairs .. ..	1½	50
(4) History of Science .. ..	1½	50
(5) Radio Physics .. ..	3	100
(6) Electronic Components and Materials .. ..	3	100
(7) Applied Electronic Circuits .. ..	3	100
(8) Electrical and Mechanical Engineering .. ..	3	100
		(60 marks for Electrical Engineering and 40 marks for Mechanical Engineering).
<b>B. Optional: Any two of the following subjects:—</b>		
(1) Principles of Acoustics .. ..	3	100
(2) Transmission Lines and Net Works .. ..	3	100
(3) Antenna and Wave Propagation .. ..	3	100
(4) Mathematics .. ..	3	100
(5) Radar and Micro Waves Engineering including Radio Aids to Navigation .. ..	3	100
(6) Broadcasting and Television Systems .. ..	3	100

3. All papers must be answered in English.

4. Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write answers for them.

5. The Commission have discretion to fix qualifying marks in any or all the subjects of the examination.

6. Special attention will be paid in the Personality Test to assessing the candidates' capacity for leadership, initiative and curiosity tact and other social qualities, mental and physical energy, powers of practical application and integrity of character.

7. Marks will not be allotted for mere superficial knowledge.

8. Deductions up to 5 per cent. of the maximum marks for the written subjects will be made for illegible handwriting.

9. Credit will be given for orderly, effective and exact expression combined with due economy of words in all subjects of the examination.

#### Schedule to Appendix I

##### Standard and syllabus

The standard of papers in English Essay, General English, General Knowledge and Current Affairs, and History of Science will be such as may be expected of an Engineering/Science graduate. There will be no practical examination in any of the subjects.

The papers in Radio Physics, Electronic Components and Materials, Applied Electronic Circuits and Electrical and Mechanical Engineering will be of the degree standard for Engineering of Indian Universities and questions will be framed to test the candidates' grasp of fundamentals in each subject.

The standard of optional papers will require detailed knowledge as applicable to Engineering problems.

(1) *English Essay*.—An essay to be written in English on one of several subjects.

(2) *General English*.—Questions to test the candidates understanding of and power to write English. Passages will usually be set for summary or precis.

(3) *General Knowledge and Current Affairs*.—The paper will include questions to test knowledge of current events and of matters of every day observation and experience. The paper will also include questions on History of India and Geography.

(4) *History of Science*.—History of the evolution and growth of science. Great scientists and their contribution to science.

(5) *Radio Physics*.—Magnetism; Definitions and units; Magnetic induction; hysteresis; magnetic circuits.

Electricity: Units; di-electrics; charges; alternating and direct current circuits; circuits containing resistance; inductance and capacitance; resonance; effects of Q on selectivity; current, voltage and power relations.

Tuned and untuned amplifiers; oscillators; frequency stability; frequency multipliers and harmonic generators; modulators.

Principles of reception, diversity reception; superhetrodyne receivers.

Radio telegraph, radio telephone communication and broadcasting systems; wave-length and power considerations; signal to noise ratio requirements; principles of wave propagation and transmission. Aerials, feeders and matching devices.

Principles of amplitude modulation, frequency modulation and phase modulation, and their application in communication systems.

Speech and hearings-articulation; basic principles of acoustics.

(6) *Electronic Components and Materials*.—Resistors, capacitors, inductors and transformers—their characteristics, performance and applications.

Electronic tubes including special purpose tubes—their performance and typical applications.

Semi-conductors devices principles of rectifiers and transistors photo-sensitive devices.

Piezo-Electric materials.

Insulating and material wires, printed circuits.

Magnetic materials; permanent magnets, soft magnetic materials.

Relays.

(7) *Applied Electronic Circuits*.—Circuit principles involved in the following:—

Vacuum tube amplifiers, typical circuits for different applications; feed back; broadband amplifiers; D. C. amplifiers.

Transistor amplifiers, typical circuits; design for temperature stabilisation.

Low and high frequency oscillators. Conventional circuits, relaxation oscillators; frequency multipliers and dividers; frequency stabilization.

Pulse and sweep circuits, counting circuits

Modulators and detectors; typical circuits for amplitude, frequency and phase modulation.

Power supply systems for electronic equipments—rectifiers, filters, voltage regulated power supplies

Industrial electronic circuits for induction heating, welding and speed control of electric meters.

Typical circuits used in television receivers.

(8) *Electrical and Mechanical Engineering*.

(a) *Electrical Engineering*.—D. C. motors and generators—their characteristics and general features; motor starters.

Primary and secondary cells.

A.C. circuits; power factors; transformers, alternators, synchronous and induction motors; starting devices.

Rectifiers and rotary convertors.

Electrical instruments and measurements—measurement of voltage, current and power in D.C. and A.C. circuits; different types of instruments and their characteristics. Typical bridges.

(b) *Mechanical Engineering*.—Properties and strength of materials—stress and strains in tension, compression and shear; Hooke's Law; elastic constants; bending moments and shear forces in beams.

Internal combustion engines—major component units and principles of working.

Simple machine tools and their uses.

Transmission of power—belt and geardrive; direct couplings; bearings.

Laws of friction, lubricants and lubricating systems.

Ferrous and non-ferrous materials—their properties.

(9) *Principles of Acoustics*.

Sound: wave equation; vibrating systems; sound transmission; electro-mechani-acoustical circuits and filters.

Room acoustics; sound absorption and insulation; reverberation; design of broadcasting studios.

Transducers: microphones, loudspeakers, design characteristics, measurement and calibration.

Noise control; sound insulation; measurements.

Hearing and speech; psycho-acoustic criteria, audio-metric measurements. High fidelity systems. Disc, magnetic and film recording, and playback systems.

(10) *Transmission Lines and Networks*.

Two terminal networks: Combinations of R.L.&C. Impedance of a transformer-equivalent networks; Analysis and Synthesis of two terminal networks.

Four terminal networks: Linear parameters—image and iterative parameters; Terminations; Loss factors; Insertion losses. Tandem connections reflection and interaction losses. Attenuating pads of the T and H types—Lattice and bridged T. networks. Constant resistance recurrence networks—equalisers.

Wave filters; Conditions for pass and attenuation bands. Principles of filter design based on image parameters. Constant K and M derived filter sections. Low pass, high pass and band pass filters (of 3, 4, 5 and 6 element types). Composite and complementary filters. Parallelling of filters. Effects of dissipation and termination. Frequency and impedance normalisation. Transformations of designs from low pass to high pass and band pass filters. Elementary principles in the design of electric wave filters.

Properties of electrical line: Quantitative values of R.L.C. of electrical lines. Transmission line equations—attenuation and phase shift. Reflections in transmission lines; equations for a line with any termination. Reflection losses and reflection factor. Standing waves. Impedance of lines with total and partial reflection—circle diagram.

Low frequency transmission lines: characteristics; Distortion for telegraph and telephone working—loading.

High frequency transmission lines: Characteristics—open wire and concentric feeders; Transmission lines as impedance element; Resonant lines—Matching of H.F. lines.

(11) *Antenna and Wave Propagation.*

Electro-magnetic equation, radiation of electromagnetic waves, field intensity.

Radiation patterns; directive systems; gain of antennas, practical design of directive antennas for long, medium, short wave and very high frequency. Receiving antenna systems. Antennas for direction finding.

Radio frequency transmission lines, coupling networks, matching of transmission lines, practical design of feeder lines and switching systems.

Propagation—ground, tropospheric and ionospheric atmospherics and noise.

Measurements of field strength.

(12) *Mathematics.*

*Fundamental Concepts.*

Functions—Average Rates—Limits.

*Basic Operations.*

Derivatives—Differentials—Higher Derivatives, Maxima and Minima—Integrals—Definite Integrals.

*Further Operations.*

Integration Techniques—Double Integrals.

*Infinite Series.*

Definitions—The Geometric Series—Convergent and Divergent Series—General Theorems—The Comparison Test—Cauchy's Integral Test—Cauchy's Ratio Test—Alternating Series—Absolute Convergence—Power Series—Theorems Regarding Power Series—Series of Functions and Uniform Convergence—Integration and Differentiation of Series—Taylor's Series—Symbolic form of Taylor's Series—Evaluation of Integrals by Means of Power Series—Approximate Formulas derived from Maclaurin's Series—use of Series for the Computation of Functions—Evaluation of a Function taking on an Indeterminate Form.

*Complex Numbers.*

Introduction—Complex Numbers—Rules for the Manipulation of Complex numbers—Graphical Representation and Trigonometric Form—Powers and Roots—Exponential and Trigonometric Functions—The Hyperbolic Functions—The Logarithmic Function—The Inverse Hyperbolic and Trigonometric Functions.

*Mathematical Representation of Periodic Phenomena.*

*Fourier Series, and the Fourier Integral.*

Introduction—Simple Harmonic Vibrations—Representation of More Complicated Periodic Phenomena, Fourier Series—Examples of Fourier Expansions of Functions—Some Remarks about Convergence of Fourier Series—Effective Values and the Average of a Product—Modulated Vibrations and Beats—The Propagation of Periodic Disturbances in the Form of Waves—The Fourier Integral.

*Linear Algebraic Equations, Determinants and Matrices.*

Simple Determinants—Fundamental Definitions—The Laplace Expansion—Fundamental Properties of Determinants—The Evaluation of Numerical Determinants—Definition of a Matrix—Special Matrices—equality of Matrices, Addition and subtraction—Multiplication of Matrices—Matrix Division, the Inverse Matrix—The Reversal Law in Transposed and Reciprocated Products Properties of Diagonal and Unit Matrices—Matrices Partitioned into Submatrices—Matrices of Special Types—The Solution of  $n$  linear Equations in  $n$  Unknowns.

*Linear Differential Equations with Constant Coefficients.*

The Reduced Equation, the Complementary Function—Properties of the Operator  $I_n(D)$ —The Method of Undetermined Coefficients—The Simple Direct Laplace—Transform, or Operational, Method of Solving Linear Differential Equations with Constant Coefficient—The Direct Computation of Transforms—Systems of Linear Differential Equations with constant Coefficients.

*Laplace Transforms of Use in the solution of Differential Equations.*

Notation—Basic Theorems.

*Oscillations of Linear Lumped Electrical Circuits.*

Electrical—Circuit Principles—Energy Considerations—Analysis of General Series Circuit—Discharge and charge of a capacitor—Circuit with Mutual Inductance—Circuits coupled by a Capacitor—The Effect of Finite Potential Pulses—Analysis of the General Network—The Steady-state Solution—Four-terminal Networks in the Alternating Current Steady States—The Transmission Line as a Four-terminal Network.

*Partial Differentiation.*

Partial Derivatives—The Symbolic Form of Taylor's Expansion—Differentiation of Composite Functions—Change of variables—The First Differential—Differentiation of Implicit Functions—Maxima and Minima—Differential of a Definite Integral—Integration under the Integral Sign—Evaluation of Certain Definite Integrals—The Elements of the Calculus of Variations—Summary of Fundamental Formulas of the Calculus of Variations—Hamilton's Principle, Lagrange's Equations—Variational problems with Accessory Conditions: Isoperimetric problems.

*Vector Analysis.*

The Concept of a vector—Addition and Subtraction of Vectors, Multiplication of a vector by a Scalar—The Scalar Product of two Vectors—The Vector Product of two Vectors—Multiple Products—Differentiation of a Vector with respect to Time—The Gradient—The Divergence and Gauss's Theorem—The Curl of a Vector Field and Stokes's Theorem—Successive Application of the Operator—Orthogonal Curvilinear Co-ordinates—Application to Hydrodynamics. The equation of Heat Flow in Solids—The Gravitational Potential—Maxwell's Equations—The Wave Equation—The Skin effect or Diffusion. Equation—Tensors (Qualitative Introduction)—Co-ordinate Transformations, Scalars, Contravariant Vectors, Covariant Vectors—Addition, Multiplication and contraction of Tensors—Associated Tensors—Differentiation of an Invariant—Differentiation of Tensors; The Christoffel Symbols—Intrinsic and Covariant Derivatives of Tensors of Higher Order—Application of Tensor Analysis to the Dynamics of a Particle.

*Elements of the Theory of the Complex Variable.*

General Functions of a Complex Variable—The Derivative and the Cauchy—Riemann Differential Equations Line Integrals of Complex Functions—Cauchy's Integral Theorem—Cauchy's Integral Formula—Taylor's Series—Laurent's Series—Residues—Cauchy's Residue Theorem—Singular Points of an Analytic Function—The Point at Infinite—Evaluation of Residues—Liouville's Theorem—Evaluation of Definite Integrals—Jordan's Lemma—Integrals Involving Multiple-Valued Functions.

*Operational and Transform Methods.*

The Fourier—Mellin Theorem—The Fundamental Rules—Calculation of Direct Transforms—Calculation of Inverse Transforms—The Modified Integral—Impulsive Functions Application of the Operational Calculus to the Solution of Partial Differential Equations—Evaluation of Integrals—Application of the Laplace Transform to the Solution of Linear Integral Equations—Solution of Ordinary Differential Equations with Variable Coefficients—The Summation of Fourier Series by the Laplace Transform.

(13) *Radar and Micro-waves Engineering including Radio Aids to Navigation.*

Principles; resolution accuracy and coverage; radar range equation, radar frequencies and various types of radar equipment.

Pulse circuits and networks; strobos and gating circuits. Various types of presentations and connected circuitry. Modulators and their theory.

Radar receiving circuits.

Various types of radar antenna and feed systems, reflector and their design. Microwave plumbing: Wave guides, modes of transmission, impedance matching, choke joints, direction couplers, TR devices.

VHF triode oscillator, klystrons, magnetrons, travelling wave tubes, efficiency diagrams. Principles and Characteristics of air-borne & ground based radar systems. Principles of direction finding.

Principles of navigational systems such as Loran, Decca, Doppler.

Principles of Electronic Altimeters.

#### (14) Broadcasting and Television Systems.

Broadcasting on long, medium and short waves and V.H.F.: coverages field strength, noise and interference; ground wave propagation; sky wave propagation; fading phenomenon.

Studio and auditorium; design with regard to noise level, reverberation, sound level and sound distribution, ventilation and illumination.

Studio and control room equipment, microphones—design considerations from output, impedance, sound level, directivity, noise and fidelity. Choice of microphones. Chain in the audio link from microphone to transmitter,—special feature and design considerations. Recording and play back.

Broadcast transmitters: requirements for broadcast; modulators, amplifiers and power supply systems.

Design of superheterodyne receiving circuits. Use of transistors in broadcast receivers.

Frequency modulation in broadcasting.

Television circuits in cameras, transmitters and receivers; picture standards; typical transmitters and receivers; lighting and studio equipment.

### APPENDIX II

#### REGULATIONS RELATING TO THE PHYSICAL EXAMINATION OF CANDIDATES

[These regulations are published for the convenience of candidates and in order to enable them to ascertain the probability of their coming up to the required physical standard. The regulations are also intended to provide guide lines to the medical examiners and a candidate who does not satisfy the minimum requirements prescribed in the regulations, cannot be declared fit by the medical examiners. However, while holding that a candidate is not fit according to the norms laid down in these regulations, it would be permissible for a Medical Board to recommend to the Government of India for reasons specifically recorded in writing that he may be admitted to service without disadvantage to Government.]

2. It should, however, be clearly understood that the Government of India, reserve to themselves, absolute discretion to reject or accept any candidate after considering the report of the Medical Board].

1. To be passed as fit for appointment a candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the efficient performance of the duties of his appointment.

2. (a) In the matter of the correlation of age, height and chest girth of candidates of Indian (including Anglo-Indian) race, it is left to Medical Board to use whatever correlation figures are considered most suitable as a guide in the examination of the candidates. If there be any disproportion with regard to height, weight and chest girth, the candidate should be hospitalised for investigation and X-ray of the chest taken before the candidate is declared fit or not fit by the Board.

(b) However, for certain services the minimum standards for height and chest girth without which candidates cannot be accepted, are as follows:—

	Height	Chest	Girth	expansion
				(fully expanded)
Class I and Class II posts in the Engineering Branch of the Overseas Communication Service.	152 cm.	84 cm.	5 cm.	(for men)
	150 cm.	79 cm.	5 cm.	(for women)

The minimum height prescribed is relaxable in case of candidates belonging to races such as Gorkhas, Garhwals, Assamese, Nagaland Tribals, etc., whose average height is distinctly lower.

3. The candidate's height will be measured as follows:—  
He will remove his shoes and be placed against the standard with his feet together and the weight thrown on the heels and not on the toes or other sides of the feet. He will stand erect without rigidity and with the heels, calves, buttocks and shoulders touching the standard, the chin will be depressed to bring the vertex of the head level under the horizontal bar and the height will be recorded in centimeters and parts of a centimeter to halves.

4. The candidate's chest will be measured as follows:—  
He will be made to stand erect with his feet together and to raise his arms over his head. The tape will be so adjusted round the chest that its upper edge touches the inferior angles of the shoulder blades behind and lies in the same horizontal plane when the tape is taken round the chest. The arms will then be lowered to hang loosely by the side, and care will be taken that the shoulders are not thrown upwards or backwards so as to displace the tape. The candidate will then be directed to take a deep inspiration several times and the maximum expansion of the chest will be carefully noted, and the minimum and maximum will then be recorded in centimetres, 84-89, 86-93.5 etc. In recording the measurements, fractions of less than half a centimetre should not be noted.

5. The candidate will also be weighed and his weight recorded in kilograms; fractions of half a kilogram should not be noted.

6. (a) The candidate's eye-sight will be tested in accordance with the following rules. The result of each test will be recorded.

(b) There shall be no limit for minimum naked eye vision but the naked eye vision of the candidates shall, however, be recorded by the Medical Board or other medical authority in every case, as it will furnish the basic information in regard to the condition of the eye.

(c) The following standards are prescribed for distant and near vision with or without glasses for different types of Services.

Class of Service	Distant vision		Near vision	
	Better eye (Corrected vision)	Worse eye	better eye (Corrected vision)	Worse eye
Class I & II				
(i) Technical .. ..	6/6	6/12	J.I.	J.II
		or		
	6/9	6/9		
(ii) Non-Technical ..	6/9	6/12	J.I.	J.II

NOTE.—At the time of referring the candidates for medical examination, the Ministry/Department concerned will inform the Medical Board that the candidate is for a Technical Service or a Non-Technical Service.

(d) In every case of myopia, fundus examination should be carried out and the results recorded. In the vent of pathological condition being present which is likely to be progressive and effect the efficiency of the candidate, he/she should be declared unfit.

For Technical Services total amount of Myopia (including the cylinder) shall not exceed -4.00D. Total amount of Hypermetropia (including the cylinder) shall not exceed +4.00D.

(e) *Field of Vision*.—The field of vision shall be tested in respect of all services by the confrontation method. When such test gives unsatisfactory or doubtful results, the field of vision should be determined on the perimeter.

(f) *Night Blindness*.—Broadly there are two types of night blindness; (1) as a result of Vit. A deficiency and (2) as a result of Organic disease of Retina—a common cause being Retinitis pigmentosa. In (1) the fundus is normal, generally seen in younger age group and ill nourished persons and improves by large doses of Vit. A. In (2) the fundus is often involved and mere fundus examination will reveal the condition in majority of cases. The patient in this category

is an adult, and may not suffer from malnutrition. Persons seeking employment for higher posts in the Government will fall in this category. For both (1) and (2), dark adaptation test will reveal the condition. For (2) specially when fundus is not involved electro-Retino-graphy is required to be done. Both these tests (dark adaptation and retinography) are time-consuming and require specialized set up, and equipment; and thus are not possible as a routine test in a medical check up. Because of these technical considerations, it is for the Ministry/Department to indicate if these tests for night blindness are required to be done. This will depend upon the job requirement and nature of duties to be performed by the prospective Government employees.

(g) *Colour Vision*.—(i) At the time of referring the candidates for medical examination, the Ministry/Department concerned will have to inform the Medical Board that the candidate is for a Technical Service (including Field Service) requiring colour vision examination or Non-Technical Service. The Ministry/Department concerned should decide whether a non-technical Service requires Colour Vision or not, and intimate the same to the Medical Board at the time of medical examination.

(ii) Colour perception should be graded into a higher and a lower grade depending upon the size of the aperture in the lantern as described in the table below :—

Grade	Higher grade of Colour perception	Lower Grade of Colour perception
1. Distance between the lamp and candidates .. ..	4.9 metres	4.9 metres
2. Size of aperture .. ..	1.3 mm	13 mm
3. Time of exposure .. ..	5 sec.	5 sec.

For the services concerned with the safety of the Public, e.g., pilots, drivers, guards, etc., the higher grade of colour vision is essential but for other the lower grade of colour vision should be considered sufficient.

(iii) Satisfactory colour vision constitutes recognition with ease and without hesitation of signal red, signal green and white colours. The use of Ishihara's plates, shown in good light and a suitable lantern like Edrige Green's shall be considered quite dependable for testing colour vision. While either of the two tests may ordinarily be considered sufficient, in respect of the services concerned with road, rail and air traffic, it is essential to carry out the lantern test. In doubtful cases where a candidate fails to qualify when tested by only one of the two tests, both the tests should be employed.

(h) *Ocular conditions other than visual acuity* :—

(i) Any organic disease or a progressive refractive error, which is likely to result in lowering the visual acuity, should be considered a disqualification.

(ii) *Squint*.—For technical services where the presence of binocular vision is essential, squint, even if the visual acuity in each eye is of the prescribed standard, should be considered a disqualification. For other services the presence of squint should not be considered as a disqualification if the visual acuity is of the prescribed standard.

(iii) *One Eye*.—The usual effect of one eye is that it does affect stereoscopic vision or perception of depth. Such vision is not necessary for many civil posts. The medical board may, therefore, recommend such one eyed persons if it is satisfied that he can perform all the functions for the particular job for which he is a candidate provided further that the visual acuity in the functioning eye is 6/6 for distant vision and 0.6 for near vision and the refractive error is not more than plus or minus 4.00 D and the fundus of the functioning eye reveal no abnormality

(i) *Contact Lenses*.—During the medical examination of a candidate, the use of contact lenses is not to be allowed. It is necessary that when conducting eye test the illumination of the type letters for distant vision should have an illumination of 15 foot-candles.

#### 7. Blood Pressure.

The Board will use its discretion regarding Blood Pressure. A rough method of calculating normal maximum systolic pressure is as follows :—

- (i) With young subjects 15—25 years of age the average is about 100 plus the age.
- (ii) With subjects over 25 years of age general rule of 110 plus half the age seems quite satisfactory.

N.B.—As a general rule any systolic pressure over 140 mm and diastolic over 90 mm should be regarded as suspicious and the candidate should be hospitalised by the Board before giving their final opinion regarding the candidate's fitness or otherwise. The hospitalization report should indicate whether the rise in blood pressure is of a transient nature due to excitement etc. or whether it is due to any organic disease. In all such cases X-ray and electrocardiographic examinations of heart and blood urea clearance test should also be done as a routine. The final decision as to the fitness or otherwise of a candidate will, however, rest with the Medical Board only.

#### Method of taking Blood Pressure.

The mercury manometer type of instrument should be used as a rule. The measurement should not be taken within fifteen minutes of any exercise or excitement. Provided the patient and particularly his arm is relaxed, he may be either lying or sitting. The arm is supported comfortably at the patient's side in a more or less horizontal position. The arm should be freed from clothes to the shoulder. The cuff completely deflated should be applied with the middle of the rubber over the inner side of the arm, and its lower edge an inch or two above the bend of the elbow. The following turns of cloth bandage should spread evenly over the bag to avoid bulging during inflation.

The brachial artery is located by palpitation at the bend of the elbow and the stethoscope is then applied lightly and centrally over it below, but not in contact with the cuff. The cuff is inflated to about 200 mm. Hg. and then slowly deflated. The level at which the column stands when soft successive sounds are heard represents the Systolic Pressure. When more air is allowed to escape the sounds will be heard to increase in intensity. The level at which the well-heard clear sounds change to soft muffled fading sound represents the diastolic pressure. The measurements should be taken in a fairly brief period of time as prolonged pressure of the cuff is irritating to the patient and will vitiate the readings. Re-checking, if necessary, should be done only a few minutes after complete deflation of the cuff. (Sometimes, as the cuff is deflated sounds are heard at a certain level; they may disappear as pressure falls and reappear at a still lower level. This 'Silent Gap' may cause error in readings).

8. The urine (passed in the presence of the examiner) should be examined and the result recorded. Where a Medical Board finds sugar present in a candidate's urine by the usual chemical tests the Board will proceed with the examination with all its other aspects and will also specially note any signs or symptoms suggestive of diabetes. If except for the glycosuria, the Board finds the candidate conforms to the standard of medical fitness required they may pass the candidate "fit subject to the Glycosuria being non-diabetic" and the Board will refer the case to a specified specialist in Medicine who has hospital and laboratory facilities at his disposal. The Medical Specialist will carry out whatever examinations, clinical and laboratory, he considers necessary including a standard blood sugar tolerance test and will submit his opinion to the Medical Board upon which the Medical Board will base its final opinion "fit" or "unfit". The Candidate will not be required to appear in person before the Board on the second occasion. To exclude the effects of medication it may be necessary to retain a candidate for several days in hospital under strict supervision.

9. A woman candidate who as a result of tests is found to be pregnant of 12 weeks standing or over, should be declared temporarily unfit until the confinement is over. She should be re-examined for a fitness certificate six weeks after the date of confinement, subject to the production of a medical certificate of fitness from a registered medical practitioner.

10. The following additional points should be observed—

- (a) that the candidate's hearing in each ear is good and that there is no sign of disease of the ear. In case it is defective the candidate should be got examined by

the ear specialist. Provided that if the defect in hearing is remediable by operation or by use of a hearing aid, candidate cannot be declared unfit on that account provided he/she has no progressive disease in the ear.

- (b) that his/her speech is without impediment;
- (c) that his/her teeth are in good order and that he/she is provided with dentures where necessary for effective mastication (well filled teeth will be considered as sound).
- (d) that the chest is well formed and his chest expansion sufficient; and that his heart and lungs are sound;
- (e) that there is no evidence of any abdominal disease;
- (f) that he is not ruptured;
- (g) that he does not suffer from hydrocele, a severe degree of varicocele, varicose veins or piles;
- (h) that his limbs, hands and feet are well formed and developed and that there is free and perfect motion of all his joints.
- (i) that he does not suffer from any inveterate skin disease;
- (j) that there is no congenital malformation or defect;
- (k) that he does not bear traces of acute or chronic disease pointing to an impaired constitution.
- (l) that he bears marks of efficient vaccination; and
- (m) that he is free from communicable disease.

11. Radiographic examination of the chest should be done as a routine in all cases for detecting any abnormality of the heart and lungs, which may not be apparent by ordinary physical examination.

When any defect is found it must be noted in the Certificate and the medical examiner should state his opinion whether or not it is likely to interfere with the efficient performance of the duties which will be required of the candidate.

NOTE.—Candidates are warned that there is no right of appeal from a Medical Board, special or standing, appointed to determine their fitness for the above posts. If, however Government are satisfied on the evidence produced before them of the possibility of an error of judgment in the decision of the first Board, it is open to Government to allow an appeal to a second Board. Such evidence should be submitted within one month of the date of the communication in which the decision of the first Medical Board is communicated to the candidate, otherwise no request for an appeal to a second Medical Board will be considered.

If any medical certificate is produced by a candidate as a piece of evidence about the possibility of an error of judgment in the decision of the first Board, the certificate will not be taken into consideration unless it contains a note by the medical practitioner concerned to the effect that it has been given in full knowledge of the fact that the candidate has already been rejected as unfit for service by the Medical Board.

### Medical Board's Report

The following intimation is made for the guidance of the Medical Examiner :—

1. The standard of physical fitness to be adopted should make due allowance for the age and length of service, if any, of the candidate concerned.

No person will be deemed qualified for admission to the Public Service who shall not satisfy Government, or the appointing authority, as the case may be, that he has no disease, constitutional affection, or bodily infirmity unfitting him, or likely to unfit him for that service.

It should be understood that the question of fitness involves the future as well as the present and that one of the main objects of medical examination is to secure continuous effective service and in the case of candidates for permanent appointment to prevent early pension or payments in case of premature death. It is at the same time to be noted that the

question is one of the likelihood of continuous effective service, and that rejection of a candidate need not be advised on account of the presence of a defect which in only a small proportion of cases, is found to interfere with continuous, effective service.

A lady doctor will be co-opted as a member of the Medical Board whenever a woman candidate is to be examined.

The report of the medical board should be treated as confidential.

In cases where a candidate is declared unfit for appointment in the Government Service, the grounds for rejection may be communicated to the candidates in broad terms without giving minute details regarding the defects pointed out by the Medical Board.

In cases where, a Medical Board consider that a minor disability disqualifying a candidate for Government service can be cured by treatment (medical or surgical) a statement to that effect should be recorded by the Medical Board. There is no objection to a candidate being informed of the Board's opinion to this effect by the appointing authority and when a cure has been effected it will be open to the authority concerned to ask for another Medical Board.

In the case of candidates who are to be declared 'Temporarily Unfit' the period specified for re-examination should not ordinarily exceed six months at the maximum. On re-examination after the specified period these candidates should be declared temporarily unfit for a further period but a final decision in regard to their fitness for appointment or otherwise should be given.

(A) Candidate's statement and declaration.

The candidate must make the Statement required below prior to his Medical Examination and must sign the Declaration appended thereto. His attention is specially directed to the warning contained in the Note below:—

1. State your name in full (in block letters).....

2. State your age and birth place .....

2. (a) Do you belong to races such as Gorkhas, Garwalis, Assamese, Nagaland Tribals etc. whose average height is distinctly lower? Answer 'Yes' or 'No', and if the answer is 'Yes', state the name of the race.

3. (a) Have you ever had small-pox, intermittent or any other fever, enlargement or suppuration of glands, spitting of blood, asthma, heart disease, lung disease, fainting attacks, rheumatism, appendicitis?.....

or

- (b) any other disease or accident requiring confinement to bed and medical or surgical treatment?.....

4. When were you last vaccinated?

5. Have you suffered from any form of nervousness due to over-work or any other cause?.....

6. Furnish the following particulars concerning your family.....

Father's age if living and state of health	Father's age at death and cause of death	No. of brothers living, their ages and state of health	No. of brothers dead, their ages at death and cause of death
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Brief particulars relating to the posts for which recruitment is being made through this examination.



1. Engineers (Class I) in the Wireless, Planning and Co-ordination Wing/Monitoring Organisation, Department of Communications :

(a) Scale of pay 400—400—450—30—600—35—670—EB—35—950.

(b) The incumbent of the post of Engineer is eligible for promotion against 50 per cent of the vacancies in the grade of Assistant Wireless Adviser, Wireless, Planning and Co-ordination Wing/Engineer-in-Charge, Monitoring Organisation (Scale of pay Rs. 700—40—1,100—50/2—1,250 plus Rs. 100 as special pay for the post of Assistant Wireless Adviser only) after putting in five years service in the grade. Promotion to the grade of Assistant Wireless Adviser/Engineer-in-Charge will be on the basis of selection on the recommendations of the Departmental Promotion Committee as constituted for Class I posts.

All Assistant Wireless Advisers and Engineers-in-Charge with 5 years service in the grade of Assistant Wireless Adviser/Engineer-in-Charge are eligible for being considered for promotion as Deputy Wireless Adviser (Scale of pay Rs. 1,100—50—1,400). The vacancies in the grade of Deputy Wireless Adviser are filled by promotion to the extent of 75% on the basis of selection on the recommendations of the D.P.C. as constituted for Class I posts. 25% of the vacancies in the grade of Deputy Wireless Adviser are filled by direct recruitment.

(c) The person appointed to the post of Engineer is liable to be posted anywhere in India.

(d) Any person appointed to the post of Engineer shall, if so required, be liable to serve in any Defence Service or post connected with the Defence of India, for a period of not less than four years, including the period spent on training, if any.

Provided that such person—

(a) shall not be required to serve as aforesaid after the expiry of ten years from the date of appointment;

(b) shall not ordinarily be required to serve as aforesaid after attaining the age of forty years.

2. Assistant Engineer (Class II Gazetted) and Technical Assistant (Class II—Non-Gazetted) in the Overseas Communications Service, Department of Communications,

(a) Candidates selected for appointment as Technical Assistant/Assistant Engineer will be appointed on probation for a minimum period of two years which may be extended, if necessary.

(b) An Officer appointed as Technical Assistant/Assistant Engineer will be liable to serve anywhere in India.

(c) In case of temporary appointment to the posts of Technically Assistant/Assistant Engineer, apart from the conditions laid down in the bond which an officer may be required to execute, his service will be terminable by giving one month's notice on either side. It is, however, left to the Department to terminate the service of a temporary employee by giving one month's pay and allowances in lieu of notice but the officer has no such option.

(d) Scales of pay—

(1) Technical Assistant—Rs. 325-15-475-EB-20-575.

(2) Assistant Engineer—Rs. 350-25-500-30-590-EB-30-800-EB-30-830-35-900.

(e) Prospects of promotion to higher grades.

(1) Technical Assistant : All Technical Assistants with a minimum service of three years in the grade are eligible for promotion to the grade of Assistant Engineer in the scale of Rs. 350-25-500-30-590-EB-30-800-EB-30-830-35-900 by selection on merit against 50 per cent vacancies reserved for departmental promotion.

(2) Assistant Engineers : All Assistant Engineers with a minimum service of three years in the grade are eligible for promotion to the grade of Deputy Engineer-in-charge in the scale of Rs. 400-400-450-30-600-35-670-EB-35-950 by selection on merit against 75 per cent vacancies reserved for departmental promotion.

(f) Any person appointed to the post of Technical Assistant or Assistant Engineer shall, if so required, be liable to serve in any Defence Service or post in connection with the Defence of India, for a period of not less than four years including the period spent on training if any :

Provided that such person—

(a) shall not be required to serve as aforesaid after the expiry of ten years from the date of appointment.

(b) shall not ordinarily be required to serve as aforesaid after attaining the age of forty years.

NOTE : The remaining conditions of service such as leave, travelling allowance on transfer/tour, joining time/joining time pay, medical facilities, travel concession, pension and gratuity, control and discipline and conduct etc. will be as applicable to other Central Government employees of similar status.

3. Assistant Station Engineer (Class I), Directorate General, All India Radio, Ministry of Information and Broadcasting.

(a) Appointments will be made on probation for a period of two years.

(b) An officer appointed to the post will be liable to serve anywhere in India and also will be liable to transfer, at any time, to serve under a public corporation and on such transfer, he will be liable to be governed by the conditions of service laid down for employees of the Corporation.

(c) The Government can terminate the appointment of an officer in the following events, without giving any notice :—(i) during or at the end of the period of probation, (ii) for insubordination, intemperance, misconduct or breach or non-performance of any of the provisions of the rules pertaining to the service for the time being in force, (iii) if he is found medically unfit and is likely for considerable period to continue to be so unfit by reasons of ill health for the discharge of his duties.

In case of temporary appointments, the service of the officer can be terminated at any time, without assigning any reason by giving one month's notice on either side.

(d) Scale of pay—Rs. 400—400—450—30—600—35—670—EB—35—950.

(e) Prospects of promotion to higher grades :—

(i) Promotion to the grade of Station Engineers : All Assistant Station Engineers with a minimum of five years' service in the grade are eligible for promotion to the grade of Station Engineers in All India Radio in the scale of Rs. 700—40—1,100—50/2—1,250 on the basis of selection on the recommendations of the Departmental Promotion Committee.

(ii) Promotion to the grade of Senior Engineers : All Station Engineers who have a minimum of seven years of service in that cadre are eligible for promotion to the grade of Senior Engineers in the scale of Rs. 1,100—50—1,400 on the basis of selection on the recommendations of the Departmental Promotion Committee.

NOTE.—The remaining conditions of service, such as, leave travelling allowance on transfers/tour, joining time/joining time pay, medical facilities, travel concessions, pension and gratuity, control and discipline and conduct, etc., will be as applicable to other Central Government employees of similar status.

4. Technical Officer (Class I) and Communication Officer (Class I) in the Civil Aviation Department, Ministry of Tourism and Civil Aviation.

- (a) Candidates selected for appointment will be appointed as probationers for a period of 2 years during which they will undergo practical training in accordance with the programme of training that may be prescribed from time to time. Those who are favourably reported upon and have passed any Departmental examination or examinations that may be prescribed will be appointed as temporary Communication Officers/Technical Officers. They will be considered for confirmation in the grade of Communication Officer/Technical Officer as and when permanent posts for their confirmation become available.
- (b) If in the opinion of Government the work or conduct of an officer on probation is unsatisfactory, or shows that he is unlikely to become efficient, Government may discharge him forthwith.
- (c) On the conclusion of his period of probation, Government may confirm the Officer in his appointment or if his work or conduct has in the opinion of the Government been unsatisfactory, Government may either discharge him from the Service or may extend his period of probation for such further period as Government may think fit.
- (d) If no action is taken by Government, under sub-rule (b), (c) of the rule, the period after the prescribed period of probation shall be treated as an engagement from month to month, terminable on either side, on the expiration of one calendar month's notice in writing.
- (e) If the power to make appointments in the Service is delegated by Government to any officer, that officer may exercise any of the powers of Government under this rule.
- (f) Officers recruited under these rules shall be eligible for leave, increment and pension in accordance with the rules for the time being in force and applicable to Officers of the Central Government. They will also be eligible to join the Central Provident Fund in accordance with the rules regulating that Fund.
- (g) These Officers shall be liable for transfer anywhere in India for any Field Service in and outside India during an emergency. They can also be asked to take up duties on board an aircraft in flight.

- (h) The relative seniority of Officers appointed through the Engineering Services (Electronics) Examination will ordinarily be determined by the order of their merit in the Examination, Govt. of India, however, reserve the right of fixing the seniority at their discretion in individual cases.
- (i) Promotions of Communication Officers/Technical Officers to the grade of Senior Communication Officers/Senior Technical Officers are dependent on the occurrence of vacancies in the latter grade and will be made on the basis of seniority-cum-fitness from amongst those Communication Officers/Technical Officers who have rendered a minimum of three year's service in the grade.
- (j) These conditions of service are subject to revision according to the requirements of service. Candidates will not be entitled to any compensation if they are adversely affected by any changes in the conditions of service which may be introduced later on.
- (k) The scales of pay for the posts of Communication Officer/Technical Officer in the Department of Aviation are given below.
  - (i) Communication Officer (Class I) Rs. 400-400-450-30-600-35-670-EB-35-950.
  - (ii) Technical Officers (Class I) Rs. 400-400-450-30-600-35-670-EB-35-950.
- (l) Any person appointed to the post of Communication Officer/Technical Officer shall, if so required be liable to serve in any Defence Service or post connected with the Defence of India for a period of not less than four years including the period spent on training, if any :

Provided that such persons :—

- (a) shall not be required to serve as aforesaid after the expiry of ten years from the date of appointment;
- (b) shall not ordinarily be required to serve as aforesaid after attaining the age of forty years.

5. Other posts under the Central Government carrying generally the following scales of pay :—

Class I	.. ..	Rs. 400—950.
Class II	.. ..	Rs. 350—900.